Procurement Language
Computers and Monitors

The Vendor Must:

- **Provide ENERGY STAR-compliant computers that are configured so that they automatically enter a low-power mode after a period of inactivity.** A computer whose power supply has a maximum continuous output power rating less than or equal to 200 Watts (≤ 200W) shall automatically enter a low-power "sleep" mode of 30 Watts or less within 30 minutes of inactivity. A computer whose power supply has a maximum continuous output power rating greater than 200 Watts (> 200W) shall automatically enter a low-power "sleep" mode of no more than 15 percent of its maximum continuous output power rating within 30 minutes. The maximum continuous output power rating of a power supply is the value certified by a Nationally Recognized Testing Laboratory (NRTL).
- **Provide computers in low-power mode that will automatically return to active mode upon resumption of system activity or receipt of external input (e.g., mouse movement, keyboard activity, typing of a password, modem interrupts, etc.).** An initial keystroke by the user shall not be passed through to the open application. In other words, while the computer is in a low-power mode, the initial keystroke/mouse click shall reactivate the system and shall not have any effect on an open application. When a system awakens from a "sleep" mode, the user shall return automatically to the same situation that existed prior to activation of the sleep mode, i.e., all files and software packages in use at the time the sleep mode is triggered shall be returned to the screen in the same condition. If a security code or password is required, the computer shall return to its previous condition after the user enters the security code or password.
- **Ship computers with the power management feature enabled.** To ensure that the maximum number of users take advantage of the low-power "sleep" mode, vendors shall ship their computers with the power-management feature enabled. The default time shall be preset for less than 30 minutes.
- **Provide computers that will include one or more mechanisms through which they can activate the low-power modes of an ENERGY STAR-compliant monitor.** The manner in which a computer can control ENERGY STAR-compliant monitors, and any special circumstances that must exist in order for the monitor's power management to be accomplished, shall be clearly specified in product literature. The monitor control requirement does not apply to integrated computer systems. However, integrated computer systems that are marketed and sold as part of a docking system shall have the ability to automatically control the power of an externally connected monitor.
- **Provide ENERGY STAR-compliant computers that are capable of entering and fully recovering from the low-power "sleep" mode while running in at least one of the operating systems pre-installed before shipping.** If an operating system that does not support power management is requested by the buyer, the vendor shall

inform the buyer and suggest alternatives or options. If the computer is not shipped with operating system software, the vendor shall clearly specify which mechanism will render the computer ENERGY STAR compliant. In addition, if any special software, hardware drivers, or utilities are necessary for the proper activation and recovery of the sleep mode, they must be installed in the computer. Vendor shall include this information in product literature (e.g., user's manual or data sheets) and/or on its Internet Web site.

- **Provide ENERGY STAR-compliant monitors that have the capability to automatically enter two successive low-power modes.** In the first low-power "sleep" mode, the monitor shall consume 15 Watts or less within 30 minutes of inactivity. If the monitor continues to be idle for a total of 60 minutes, upon instructions from the CPU, it shall enter a second low-power "deep sleep" mode. An ENERGY STAR-compliant monitor in this second low-power mode shall consume 8 Watts of electricity or less. Monitors that have the capability to automatically proceed from active mode to a low-power mode of 8 Watts or less are assumed to comply. If any software is required to initiate a monitor's low-power modes, the software should be shipped with the monitor. The user shall have the ability to change the time settings or disable the low-power modes if needed. Upon resumption of user activity, the monitor shall automatically return to full operational capability.
- **For networked environments, provide computers that will sleep on networks and respond to wake events.** If the computer is shipped with the capability to be on a network, it shall retain in sleep mode its ability to respond to wake events directed or targeted to the computer while on a network. If the wake event requires the computer to exit the sleep mode and perform a task, the computer shall reenter its sleep mode after a period of inactivity following the completion of the task requested.
- **Provide integrated systems, where the computer and the monitor are combined in a single unit, that will enter a low-power mode of no more than 45 Watts after a specified period of inactivity.**

For state and local governments making blanket purchases, include the provision that the vendors will:

- **Deliver new and repaired machines configured properly for automatic energy-saving features as per the current U.S. EPA ENERGY STAR specifications.**
- **Provide customer support with respect to power management features such that these features remain properly enabled.**

Lease and maintenance agreements for office equipment shall include the following provisions concerning power management features:

- **Installation and service performed as part of the agreement shall include the proper configuration of power management features according to the terms of the ENERGY STAR Program MOU current for that class of equipment, at the time of the service.** Personnel involved in system integration and service shall treat the malfunction of power management features as functional failures of the equipment, and shall diagnose and repair these problems rather than disabling the power management features.

- **If vendor representatives perform site customization and user training, these services shall be carried out so as to maximize the energy efficiency of the installed product.** Vendor staff shall state the facts that power management features promote long equipment life, save energy and reduce the introduction of heat and fumes into the workplace.